



SEQUENCE LISTING

<110> Zhou, Qun-Yong
Ehlert, Frederick

<120> Prokineticin Polypeptides, Related
Compositions and Methods

<130> P-UC 5016

<140> US 10/016,481

<141> 2001-11-01

<150> 60/245,882

<151> 2000-11-03

<160> 22

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<211> 1377

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (55) ... (369)

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Arg Gly Ala Thr Arg Val Ser Ile Met Leu Leu Leu Val Thr Val Ser
5 10 15

gac tgt gct gtg atc aca ggg gcc tgt gag cgg gat gtc cag tgt ggg 153
Asp Cys Ala Val Ile Thr Gly Ala Cys Glu Arg Asp Val Gln Cys Gly
20 25 30

gca ggc acc tgc tgt gcc atc agc ctg tgg ctt cga ggg ctg cgg atg 201
Ala Gly Thr Cys Cys Ala Ile Ser Leu Trp Leu Arg Gly Leu Arg Met
35 40 45

tgc acc ccg ctg ggg cgg gaa ggc gag gag tgc cac ccc ggc agc cac 249
Cys Thr Pro Leu Gly Arg Glu Gly Glu Glu Cys His Pro Gly Ser His
50 55 60 65

aag gtc ccc ttc ttc agg aaa cgc aag cac cac acc tgt cct tgc ttg 297
Lys Val Pro Phe Phe Arg Lys Arg Lys His His Thr Cys Pro Cys Leu

70 75 80
ccc aac ctg ctg tgc tcc agg ttc ccg gac ggc agg tac cgc tgc tcc 345
Pro Asn Leu Leu Cys Ser Arg Phe Pro Asp Gly Arg Tyr Arg Cys Ser
85 90 95

atg gac ttg aag aac atc aat ttt taggcgcttg cctggtctca ggataccac 399
Met Asp Leu Lys Asn Ile Asn Phe
100 105

catccttttc tgagcacagc ctggattttt atttctgcca tgaaaccag ctcccatgac 459
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<210> 2
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<213> Homo sapiens

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Ser Asp Cys Ala Val Ile Thr Gly Ala Cys Glu Arg Asp Val Gln Cys
20 25 30
Gly Ala Gly Thr Cys Cys Ala Ile Ser Leu Trp Leu Arg Gly Leu Arg
35 40 45
Met Cys Thr Pro Leu Gly Arg Glu Gly Glu Glu Cys His Pro Gly Ser
50 55 60
His Lys Val Pro Phe Phe Arg Lys Arg Lys His His Thr Cys Pro Cys
65 70 75 80
Leu Pro Asn Leu Leu Cys Ser Arg Phe Pro Asp Gly Arg Tyr Arg Cys
85 90 95
Ser Met Asp Leu Lys Asn Ile Asn Phe
100 105

<210> 3
<211> 86
<212> PRT

<213> Homo sapiens

<400> 3

Ala	Val	Ile	Thr	Gly	Ala	Cys	Glu	Arg	Asp	Val	Gln	Cys	Gly	Ala	Gly
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Thr	Cys	Cys	Ala	Ile	Ser	Leu	Trp	Leu	Arg	Gly	Leu	Arg	Met	Cys	Thr
			20					25					30		
Pro	Leu	Gly	Arg	Glu	Gly	Glu	Glu	Cys	His	Pro	Gly	Ser	His	Lys	Val
		35				40						45			
Pro	Phe	Phe	Arg	Lys	Arg	Lys	His	His	Thr	Cys	Pro	Cys	Leu	Pro	Asn
	50				55						60				
Leu	Leu	Cys	Ser	Arg	Phe	Pro	Asp	Gly	Arg	Tyr	Arg	Cys	Ser	Met	Asp
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<210> 4

<211> 1406

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (10) ... (333)

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ctg ccg ccg ctg ctg ctc acg ccc cgc gct ggg gac gcc gcc gtg atc 99
Leu Pro Pro Leu Leu Leu Thr Pro Arg Ala Gly Asp Ala Ala Val Ile
15 20 25 30

acc ggg gct tgt gac aag gac tcc caa tgt ggt gga ggc atg tgc tgt 147
Thr Gly Ala Cys Asp Lys Asp Ser Gln Cys Gly Gly Gly Met Cys Cys
35 40 45

gct gtc agt atc tgg gtc aag agc ata agg att tgc aca cct atg ggc 195
Ala Val Ser Ile Trp Val Lys Ser Ile Arg Ile Cys Thr Pro Met Gly
50 55 60

aaa ctg gga gac agc tgc cat cca ctg act cgt aaa gtt cca ttt ttt 243
Lys Leu Gly Asp Ser Cys His Pro Leu Thr Arg Lys Val Pro Phe Phe
65 70 75

ggg cgg agg atg cat cac act tgc cca tgt ctg cca ggc ttg gcc tgt 291
Gly Arg Arg Met His His Thr Cys Pro Cys Leu Pro Gly Leu Ala Cys
80 85 90

tta cgg act tca ttt aac cga ttt att tgt tta gcc caa aag 333
Leu Arg Thr Ser Phe Asn Arg Phe Ile Cys Leu Ala Gln Lys

95

100

105

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taatcgctct ggagtagaaa ccaaattgtga atagccacat cttacctgta aagtcttact 393
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aagtaacatt tttatctttg atttgtaaatt gatttttttt ttttttttta tcgaaagaga 513
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<213> Homo sapiens

<400> 5

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20      25      30
Ala Cys Asp Lys Asp Ser Gln Cys Gly Gly Gly Met Cys Cys Ala Val
35      40      45
Ser Ile Trp Val Lys Ser Ile Arg Ile Cys Thr Pro Met Gly Lys Leu
50      55      60
Gly Asp Ser Cys His Pro Leu Thr Arg Lys Val Pro Phe Phe Gly Arg
65      70      75      80
Arg Met His His Thr Cys Pro Cys Leu Pro Gly Leu Ala Cys Leu Arg
85      90      95
Thr Ser Phe Asn Arg Phe Ile Cys Leu Ala Gln Lys
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<210> 6

<211> 81

<212> PRT

<213> Homo sapiens

<400> 6

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Ala Val Ile Thr Gly Ala Cys Asp Lys Asp Ser Gln Cys Gly Gly Gly
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20      25      30

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<210> 7
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<212> PRT
<213> Homo sapiens
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 1             5             10             15
Lys Arg Lys Lys Glu
          20
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<210> 8
<211> 21
<212> PRT
<213> Homo sapiens
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   1                   5               10             15  
Lys Arg Lys Lys Glu  
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<210> 9
<211> 19
<212> PRT
<213> Homo sapiens
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<400> 9
Met Arg Gly Ala Thr Arg Val Ser Ile Met Leu Leu Leu Val Thr Val
  1                      5                      10                      15
Ser Asp Cys
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<210> 10
<211> 26
<212> PRT
<213> Homo sapiens
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<400> 10
Met Arg Ser Leu Cys Cys Ala Pro Leu Leu Leu Leu Leu Leu Leu Pro

1 5 10 15
Leu Leu Leu Thr Pro Pro Ala Gly Asp Ala
20 25

<210> 11
<211> 96
<212> PRT
<213> Bombina variegata

<400> 11
Met Lys Cys Phe Ala Gln Ile Val Val Leu Leu Leu Val Ile Ala Phe
1 5 10 15
Ser His Gly Ala Val Ile Thr Gly Ala Cys Asp Lys Asp Val Gln Cys
20 25 30
Gly Ser Gly Thr Cys Cys Ala Ala Ser Ala Trp Ser Arg Asn Ile Arg
35 40 45
Phe Cys Ile Pro Leu Gly Asn Ser Gly Glu Asp Cys His Pro Ala Ser
50 55 60
His Lys Val Pro Tyr Asp Gly Lys Arg Leu Ser Ser Leu Cys Pro Cys
65 70 75 80
Lys Ser Gly Leu Thr Cys Ser Lys Ser Gly Glu Lys Phe Lys Cys Ser
85 90 95

<210> 12
<211> 81
<212> PRT
<213> Dendroaspis polylepis polylepis

<400> 12
Ala Val Ile Thr Gly Ala Cys Glu Arg Asp Leu Gln Cys Gly Lys Gly
1 5 10 15
Thr Cys Cys Ala Val Ser Leu Trp Ile Lys Ser Val Arg Val Cys Thr
20 25 30
Pro Val Gly Thr Ser Gly Glu Asp Cys His Pro Ala Ser His Lys Ile
35 40 45
Pro Phe Ser Gly Gln Arg Lys Met His His Thr Cys Pro Cys Ala Pro
50 55 60
Asn Leu Ala Cys Val Gln Thr Ser Pro Lys Lys Phe Lys Cys Leu Ser
65 70 75 80
Lys

<210> 13
<211> 81
<212> PRT
<213> Artificial Sequence

<220>
<223> synthetic construct

<400> 13

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Thr	Cys	Cys	Ala	Ile	Ser	Leu	Trp	Leu	Arg	Gly	Leu	Arg	Met	Cys	Thr
			20					25					30		
Pro	Leu	Gly	Arg	Glu	Gly	Glu	Glu	Cys	His	Pro	Gly	Ser	His	Lys	Val
		35				40						45			
Pro	Phe	Phe	Gly	Arg	Arg	Met	His	His	Thr	Cys	Pro	Cys	Leu	Pro	Gly
	50					55					60				
Leu	Ala	Cys	Leu	Arg	Thr	Ser	Phe	Asn	Arg	Phe	Ile	Cys	Leu	Ala	Gln
65					70					75					80
Lys															

<210> 14

<211> 86

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic construct

<400> 14

Ala	Val	Ile	Thr	Gly	Ala	Cys	Asp	Lys	Asp	Ser	Gln	Cys	Gly	Gly	Gly
1				5					10					15	
Met	Cys	Cys	Ala	Val	Ser	Ile	Trp	Val	Lys	Ser	Ile	Arg	Ile	Cys	Thr
			20					25					30		
Pro	Met	Gly	Lys	Leu	Gly	Asp	Ser	Cys	His	Pro	Leu	Thr	Arg	Lys	Val
		35				40						45			
Pro	Phe	Phe	Arg	Lys	Arg	Lys	His	His	Thr	Cys	Pro	Cys	Leu	Pro	Asn
	50					55					60				
Leu	Leu	Cys	Ser	Arg	Phe	Pro	Asp	Gly	Arg	Tyr	Arg	Cys	Ser	Met	Asp
65					70					75					80
Leu	Lys	Asn	Ile	Asn	Phe										
				85											

<210> 15

<211> 89

<212> PRT

<213> Artificial Sequence

<220>

<223> synthetic construct

<400> 15

Gly	Ile	Leu	Ala	Val	Ile	Thr	Gly	Ala	Cys	Glu	Arg	Asp	Val	Gln	Cys
1				5					10					15	
Gly	Ala	Gly	Thr	Cys	Cys	Ala	Ile	Ser	Leu	Trp	Leu	Arg	Gly	Leu	Arg
			20					25					30		
Met	Cys	Thr	Pro	Leu	Gly	Arg	Glu	Gly	Glu	Glu	Cys	His	Pro	Gly	Ser
		35					40					45			

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<210> 16
<211> 85
<212> PRT
<213> Artificial Sequence
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<220>
<223> synthetic construct

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Cys Cys Ala Ile Ser Leu Trp Leu Arg Gly Leu Arg Met Cys Thr Pro
          20                      25                    30
Leu Gly Arg Glu Gly Glu Glu Cys His Pro Gly Ser His Lys Val Pro
      35                     40                   45
Phe Phe Arg Lys Arg Lys His His Thr Cys Pro Cys Leu Pro Asn Leu
     50                      55                    60
Leu Cys Ser Arg Phe Pro Asp Gly Arg Tyr Arg Cys Ser Met Asp Leu
65               70                 75              80
Lys Asn Ile Asn Phe
           85
```

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<210> 17
<211> 86
<212> PRT
<213> Artificial Sequence
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<220>
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<400> 17
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35 40 45
Pro Phe Phe Arg Lys Arg Lys His His Thr Cys Pro Cys Leu Pro Asn
50 55 60
Leu Leu Cys Ser Arg Phe Pro Asp Gly Arg Tyr Arg Cys Ser Met Asp
65 70 75 80
Leu Lys Asn Ile Asn Phe
85

<210> 18
<211> 87
<212> PRT
<213> Artificial Sequence

<220>
<223> synthetic construct

<400> 18
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1 5 10 15
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20 25 30
Thr Pro Leu Gly Arg Glu Gly Glu Glu Cys His Pro Gly Ser His Lys
35 40 45
Val Pro Phe Phe Arg Lys Arg Lys His His Thr Cys Pro Cys Leu Pro
50 55 60
Asn Leu Leu Cys Ser Arg Phe Pro Asp Gly Arg Tyr Arg Cys Ser Met
65 70 75 80
Asp Leu Lys Asn Ile Asn Phe
85

<210> 19
<211> 14
<212> PRT
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<220>
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<400> 19
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<210> 20
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<212> PRT
<213> Artificial Sequence

<220>
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<400> 20
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<210> 21
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<220>

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<400> 21

Ala Val Ile Thr Gly Ala

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5

<210> 22

<211> 5

<212> PRT

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<223> synthetic peptide

<400> 22

Val Ile Thr Gly Ala

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5

Q1